

ABSTRACT OF THE DISCLOSURE

A multifunctional forceps set which integrates two important surgical procedures of incision and ligation into a continuous working procedure. The forceps set is co-used with two loop ligatures formed of braided sutures and transfigured from a surgeon's knot. In use, the loop ligatures are side by side loaded in the forceps mouth of the forceps and controlled by the forceps to minify the size of the loop and accomplish ligation function. The forceps set is developed from consolidation of surgical scalpel, forceps and device simulating finger's functions. Also, the forceps set can rapidly perform the procedures of double grasping, incision between grasping, proper ligating divided pedicles and cutting residual sutures of post-ligation. The forceps set enables surgeons to use familiar technique in a challenging operative field such as endoscopic surgery.